

AMENDMENTS TO THE CLAIMS

Please amend claims 32-62 and add new claim 63 as set forth in the following listing of the claims.

Claims 1-31 (canceled)

32. (currently amended) Moulding A

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132
moulding serving for pharmaceutical uses, such as a stopper (1) for pharmaceutical bottles, a protective cap (2) for medical syringes or a sealing element (38, 39) for pharmaceutical containers, the moulding (1, 2, 38, 39, 44) comprising at least in a subregion, a thermoplastic elastomer material with a mineral filler content of at least 30% and said subregion having a hot-runner injection point which is formed as a smooth-surfaced mark; wherein said elastomer is from a class of materials that are moldable by hot runner injection.

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33. (currently amended) Moulding A

moulding serving for pharmaceutical uses, such as a stopper (1) for pharmaceutical bottles, a protective cap (2) for medical syringes or a sealing element (38, 39) for pharmaceutical containers, the moulding (1, 2, 38, 39, 44) comprising in a subregion, a thermoplastic elastomer material with a mineral filler content of at least 30% and said subregion having an injection point, which is injected over by a second part of the moulding, made of another plastics plastic; wherein said

elastomer is from a class of materials that are moldable by hot runner injection.

✓ 34. (currently amended) Moulding The
moulding according to claim 33, wherein the injection point of
the subregion formed from the elastomer material which is
flexible, is formed as a hot-runner injection point.

✓ 35. (currently amended) Moulding The
moulding according to claim 34, wherein the hot-runner injection
point is formed as a smooth-surfaced mark.

✓ 36. (currently amended) Moulding The
moulding according to claim 32, wherein the moulding altogether
is made of the elastomer material.

✓ 37. (currently amended) Moulding The
moulding according to claim 32, wherein the hot-runner injection
point goes over into the surrounding moulding wall without being
offset outwards.

✓ 38. (currently amended) Moulding The
moulding according to claim 32, wherein a hot-runner injection

7/12
point offset outwards with respect to a surrounding moulding wall
is encapsulated by a plastics part.

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39. (currently amended) Moulding The
moulding according to claim 38, wherein the smooth-surfaced mark
of the hot-runner injection point goes over into the moulding
wall surrounding it in a co-planar manner.

7/12 ✓
40. (currently amended) Moulding The
moulding according to claim 32, wherein the moulding is of a
predominantly thick-walled form.

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41. (currently amended) Moulding The
moulding according to claim 32, wherein in the case of the
stopper (1), a stopper top (13) and a stopper collar (14) are
formed and wherein there is a central hot-runner injection (A) in
a region of the stopper top (13).

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42. (currently amended) Moulding The
moulding according to claim 41, wherein in case of the stopper,
the stopper top (13) has a central region (12) of smaller wall
thickness (x) and an edge region (15) of greater wall thickness
(y).

43. (currently amended) Moulding The
moulding according to claim 32, ~~wherein~~ having a form of a
protective cap (2) for medical syringes, and wherein ~~A-18~~ the
protective cap (2) has a hot-runner injection (A) in a region of
a cap hat (18).

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44. (currently amended) Moulding The
moulding according to claim 32, wherein the thermoplastic
elastomer material contains a proportion of plasticizers.

13
45. (currently amended) Moulding The
moulding according to claim 32, being formed as a sealing element
for a pharmaceutical bottle, a central hot-runner injection (A)
being provided in an outer surface.

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46. (currently amended) Moulding The
moulding according to claim 41, wherein in case of the stopper, a
stopper collar (14) has a greater wall thickness (z) than a
stopper top (13) in its central region.

47. (currently amended) A protective
Protective cap (2) produced in a plastics injection-moulding
process for medical syringes, with a solid cap hat (18) and a
comparatively thin-walled cap neck (19), wherein the protective
cap (2) is made of thermoplastic elastomer material with a

mineral filler content of at least 30% or more, ~~and wherein there~~
is a hot-runner injection (A) in a region of the cap hat (18),
and wherein said elastomer is from a class of materials that are
moldable by hot runner injection.

48. (currently amended) ~~Protective~~ The
protective cap according to claim 47, wherein the thermoplastic
elastomer material contains a proportion of plasticizer.

731
49. (currently amended) ~~Protective~~ The
protective cap according to claim 47, wherein a central hot-
runner injection (A) is performed in a region of a tip of the cap
hat.

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50. (currently amended) ~~Method~~ A method
for producing a moulding ~~for a pharmaceutical use, such serving~~
as a stopper (1) for pharmaceutical bottles, a protective cap (2)
for medical syringes or a sealing element (38, 39) for
pharmaceutical containers, ~~wherein the moulding is produced the~~
method comprising steps of providing, at least in a subregion,
from a thermoplastic elastomer material with a mineral filler
content of at least 30%, and forming said subregion ~~is configured~~
by a hot-runner injection, ~~a~~ an injection point being formed as a

smooth-surfaced mark, wherein said elastomer is from a class of materials that are moldable by hot runner injection.

13 /

✓ 51. (currently amended) Method A method for producing a moulding ~~for a pharmaceutical use,~~ serving such as a stopper (1) for pharmaceutical bottles, a protective cap (2) for medical syringes or a sealing element (38, 39) for pharmaceutical containers, ~~wherein the moulding is produced the~~ method comprising the steps of providing, in a subregion, from a thermoplastic elastomer material with a mineral filler content of at least 30%, and forming said subregion ~~is configured by an~~ injecting injection having through an injection point, which injection point is injected over with another plastics, forming a second subregion of the moulding, wherein said elastomer is from a class of materials that are moldable by hot runner injection.

✓ 52. (currently amended) Method The method according to claim 51, wherein the injection injecting of the thermoplastic elastomer material is carried out by a hot-runner injection.

✓ 53. (currently amended) Method The method according to claim 52, wherein the injection point of the hot-runner injection is formed as a smooth-surfaced mark.

54. (currently amended) Method The
method according to claim 50, wherein the moulding altogether is
made of the elastomer material.

55. (currently amended) Method The
method according to claim 54, wherein the hot-run injection point
is produced such that it goes over into a surrounding moulding
wall without any offset outwards.

73.1 ✓ 56. (currently amended) Method The
method according to claim 50, wherein the injection point is
produced with an offset outwards with respect to a surrounding
moulding wall.

✓ 57. (currently amended) Method A method
for producing a stopper (1) for pharmaceutical bottles (3), ~~such~~
~~as for example infusion bottles~~, in a plastics injection-moulding
process, with a stopper top (13) and a stopper collar (14),
wherein the method comprising the steps of providing a
thermoplastic elastomer material with at least a 30% admixed
mineral filler content, ~~is used and wherein injecting via a~~
central hot-runner injection (A) ~~is performed~~ in a region of a
stopper top (13) of the stopper (1) ~~of a predominantly thick-~~
~~walled form~~, and wherein said elastomer is from a class of
materials that are moldable by hot runner injection.

58. (currently amended) Method The method according to claim 57, wherein the stopper collar (14) is formed with a greater wall thickness (z) than the stopper top (13) in its central region.

59. (currently amended) Method The method according to claim 57, wherein the stopper top (13) is formed with a central region of lesser wall thickness (x) and an edge region (15) of greater wall thickness (y).

73 /
60. (currently amended) Method A method for producing a protective cap (2) for medical syringes in a plastics injection-moulding process, with a solid cap hat (18) and a comparatively thin-walled cap neck (19), wherein the method comprising the steps of providing a thermoplastic elastomer material with at least a 30% admixed mineral filler content, is used and in that injecting via a central hot-runner injection (A) is performed in the region of the cap hat (18), and wherein said elastomer is from a class of materials that are moldable by hot runner injection.

61. (currently amended) Method A method according to claim 60, wherein the hot-runner injection (A) is performed centrally on the cap hat (18).

62. (currently amended) Method A method

7b/1 according to claim 60, wherein further comprising steps of adding
a proportion of plasticizer ~~is added~~ to the thermoplastic
elastomer material.

7b/2 63. (New) A method according to claim 57,

wherein the central hot runner injection is performed in a region
of the stopper top of the stopper of a thick-walled form.
